ERA	PERIOD	Epoch	Washoe/Storey Co. Formation or Name	Symbol	Paleontology Potential	Pershing County Formation or Name	Symbol	Paleontology Potential	Humboldt County Formation or Name	Symbol	Paleontology Potential	Epoch	PERIOD	ERA
CENOZOIC	HOLOCENE QUATERNARY	H		Qal, Ql, Qsl, Qls	fossil fauna and flora, large mammals		Qal, etc	fossil fauna and flora, large mammals	Younger alluvium	Qya	fossil fauna and flora, large mammals	H	HOLOCENE QUATERNARY	CENOZOIC
		P	pre-Lake Lahontan dep.	QTg	fossil fauna and flora, large mammals		Qtb	fossil fauna and flora, large mammals	Older alluvium, Gravel dep	Qoa, Qg	fossil fauna and flora, large mammals			
									Vesicular olivine basalt	QTb	none indicated	P		
	TERTIARY	P		Tir, Tab					Mesa basalt of Merriam	Tmb	none indicated	P	TERTIARY	
			Coal valley and Truckee	Tst	vertebrates and fossil floras		Ts, Tcg, Tts	vertabrate and plant fossils	Thousand Cr beds of Merriam	Ttc	fossiliferous: vertebrates, leaf imprints, fish, diatoms			
			High Rock	Tts	vertebrates and fossil floras		Tba		Virgin valley beds of Merriam	Tvv	fossiliferous: vertebrates, leaf imprints, fish			
				Tba			Tir, Tip			Ts, Trd, Ti	fossiliferous in sedimentary rocks as above			
		M	Pyramid Sequence	Tsv	plant fossils and petrified wood	Fish Cr Mtns Tuff & others	Tf, Twt, Tra			Tba, Tu	fossils found in intercalated sedimentary rocks	M		
		O	South Willow	Tsw			Tgd, Ta, Tc, Tr					O		
						Caetano Tuff	Tc							
		E							Granodiorite	TKg	none indicated	E		
		P							Pansy Lee Conglomerate	TKpl	root impressions, otherwise unfossiliferous	P		
MESOZOIC	CRETACEOUS			Kgd		Rocky Canyon	Kgrc, Kqny						CRETACEOUS	MESOZOIC
						New York Canyon								
							Kgd, Klg, Kap		King Lear	Kkl	fossiliferous: fresh water fossils collected from limestone lenses			
							fd, dd							
									Intrusive rocks	Kji	none indicated			
							Jgd, Jgb							
	JURASSIC		Peavine Sequence	mv, ms, mvs	trace fossils	Boyer Ranch	Jb	unfossiliferous	Limestone	JTrl	fossiliferous: crinoid stems in an upper unit		JURASSIC	
			Nightingale Sequence	msr	none indicated	*Auld Sang Syne Group*	Jtra, JTrl, Trs			Jtru	fossils not found			
	TRIASSIC					Rasberry, Winnemucca	Trra, Trwi	fossiliferous: including ammonites	Rasberry,	Trr, Trm, Tra, Trs	sparse fossils in lower part of formation		TRIASSIC	
						Dun Glen, Grass Valley	Trdg, Trgv	fossiliferous but no age-diagnostic fossils recovered	Quartzite and mudstone	Trqm	fossils not found			
						Grass Valley & Osobb	Trgvo, Tro	few fossils	Winnemucca	Trw	sparse fossils			
									Dun Glen, Grass Valley	Trdg, Trgv	worm trails but no diagnostic fossils found			
						Natchez Pass	Trnp, Trnpv	fossiliferous in lower member: including ammonites	Natchez Pass	Trnp	fossils are sparse and poorly preserved			
							Md, Trm							
						Prida	Trp, Trpu, Trpmi	fossiliferous: including ammonites						
						Cane Spring, Augusta Mtn	Trca	few fossils						
						Favret, Dixie Valley, Tobin	Trf, Trdv, Trt	Favret and Tobin are fossiliferous: including ammonites						
						Koipato Group undiv	Trk							
						Weaver	Trwe	ammonite impressions in upper Weaver sedimentary units	Koipato Formation	Tr-Mu	practically unfossiliferous			
						Rochester	Trro							
						Limerick Greenstone	Trl		Quinn River Formation	Trqr	fossils in limestone and shale			
							Trrp, Trlg		Vol and sed rocks undiv	TrPu	corals and fusilinids in lower limestone bed			
	PERMIAN			PTrm	none indicated	Metavolcanic rocks	Pm	well-preserved brachiopods near Black Rock point	Unamed Limestone	Pul	none indicated		PERMIAN	PALEOZOIC
PALEOZOIC														
	PENNSYLVANIAN								Happy Cr Volcanic Series	Ph	none indicated		PENNSYLVANIAN	
									Edna Mtn, Antler Peak	PPa, PPu	diversified fauna incl. Fusilinids (Antler P.)			
										PPfc, PPs	some units richly fossiliferous			
						Havallah	PPh, PPhp	fusilinids and conodonts	Havallah	PPh, PPhp	fusilinid fossils			
						Pumpernickel	PPp	fossils not found in Pershing county	Pumpernickel	PPp or Pp	conodonts found			
	MISSISSIPPIAN												MISSISSIPPIAN	
						Inskip	Mi	poorly preserved corals from limestone lenses	Unamed Volcanic Rocks	Mvr	richly fossiliferous in upper limestone: coral, bryzoa, brachiopods			
	DEVONIAN												DEVONIAN	
	SILURIAN												SILURIAN	
	ORDIVICIAN					Valmy	Ov	graptolites	Comus	Oc	early and middle Ordivician fossils		ORDIVICIAN	
									Valmy	Ov	early and late Ordivician fossils			
									Sonoma	Osr	none indicated			
	CAMBRIAN					Harmony	Ch	sparse trilobites from limestone lenses	Harmony	Ch	none indicated		CAMBRIAN	
									Unamed Chert	Cc	rich trilobite fauna in shaly limestone			
						Preble	Cp	limestone has trilobite faunas in Osgood mtns.	Preble	Cp	Cambrian fossils			
									Osgood Mtn Quartzite	Com	none indicated			

Paleontological resource information of the Winnemucca RMP Planning Area summarized from the following references:

Bonham, H.F., 1969, Geology and mineral deposits of Washoe and Storey Counties, Nevada, NBMG Bulletin 70.

Johnson, M.J., 1977, Geology and mineral deposits of Pershing County, Nevada, NBMG Bulletin 89.

Willden, R., 1964, Geology and mineral deposits of Humboldt County, Nevada, NBMG Bulletin 59.

Table 2-2. Paleontological Resources of the Winnemucca RMP Planning Area

File: Winne RMP Strat section Sheet: Paleon Res